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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/935,781	08/24/2001	Rong C. Fang	069116.0184	9032
50627 7	590 11/22/2005		EXAM	INER
BAKER BOTTS L.L.P. 2001 ROSS AVENUE			MEW, KEVIN D	
6TH FLOOR			ART UNIT	PAPER NUMBER
DALLAS, TX	75201		2664	

DATE MAILED: 11/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

1	Application No.	Applicant(s)				
	09/935,781	FANG, RONG C.				
Office Action Summary	Examiner	Art Unit				
	Kevin Mew	2664				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was prepared to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA' 36(a). In no event, however, may a reply vill apply and will expire SIX (6) MONTHS, cause the application to become ABANI	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 03 A	ugust 2005.					
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) ☐ This action is non-final.					
. —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-28</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>2-14 and 16-28</u> is/are allowed.						
6)⊠ Claim(s) <u>1 and 15</u> is/are rejected.		•				
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached O	ffice Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed Office action for a list	or the certified copies not rec	servea.				
Attachment(s)	_					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Sum	mary (PTO-413) ail Date				
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		mal Patent Application (PTO-152)				

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Final Action

Response to Amendment

1. Applicant's Remarks/Arguments filed on 8/3/2005 have been fully considered. Claims 1-28 are currently pending.

2. Acknowledgement is made of the amended claims 5, 19 regarding the claims objections set forth in the previous Office Action. The corrections are acceptable and the claim objections have been withdrawn.

Specification

3. The amended abstract in applicant's Remarks/Arguments has not yet been received. The examiner earnestly requests applicant to resubmit a copy of the amended abstract with respect to the following objection cited in the previous Office Action.

Please make appropriate correction to "Embodiments of the present invention described" in line 1 of the abstract. Also, the abstract of the disclosure should not include the title of the instant application.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1, 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bux et al. (USP 4,726,018) in view of Lothberg et al. (US Publication 2005/0058136 A1).

Regarding claims 1, 15, Bux discloses an apparatus (see the communication system structure, Fig. 1) to perform a method for transporting data (for transmitting data on ring 11, see col. 3, lines 1-58 and Fig. 1), comprising:

transmitting, through Synchronized Packet-based Trunk (Ring Attachment RA which includes Ring Insert Switch Circuitry and Ring Access Control circuitry, see col. 3, lines 1-58), data to communication ring (transmission of data on the ring, see col. 3, lines 34-39), wherein the communication ring employs Dynamic Bandwidth Sharing; and

transporting, through the communication ring, the data (any active station receives all data signals passing on the ring, see element 11, Fig. 1 and applies its own data signals to the next section of the ring, see col. 3, lines 1-58).

Bus does not explicitly show the data is transmitted in different packet formats, the different packet formats separately transmitting signaling data, synchronous data, and asynchronous data.

However, Brueckheimer discloses a generic adaptation technology architecture through which data is transmitted in different packet formats (ATM, TDM, SONET packets, see Figs 1.

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and 9), the different packet formats separately transmitting signaling data (DTMF access signaling data, see col. 7, lines 42-52, Figs 1 and 9), synchronous data (TDM, SONET data), and asynchronous data (ATM cells data, see Figs. 1 and 9).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the system and method of transmitting asynchronous data and synchronous voice in Bus with the teaching of Brueckheimer in providing a generic adaptation technology architecture for transmitting data in different packet formats such as ATM, SONET and DTMF access signaling such that data is transmitted in different packet formats, wherein the different packet formats separately transmitting signaling data, synchronous data, and asynchronous data.

The motivation to do so is to provide a functional partitioning of devices and an architecture that is optimal for variable and fixed packet adaptation having the greatest possible degree of flexibility in isolation or in combination to serve trunking, interworking and switching of different traffic types.

Response to Arguments

- 5. Applicant's arguments with respect to claims 1, 15 have been considered but are moot in view of the new ground(s) of rejection.
- 6. Applicant's arguments, see pages 12-14, filed on 8/3/2005, with respect to claims 2-14, 20-28 have been fully considered and are persuasive. The rejections to claims 2-14, 20-28 set forth in the previous Office Action have been withdrawn.

Allowable Subject Matter

7. Claims 2-5, 6-14, 16-19, 20-28 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

In claims 2, 16, a method for transporting data, comprising:

the bandwidth of the communication ring is divided into Subscription Bandwidth for each

node on the communication ring and Over-Subscription bandwidth shared by all nodes on the

communication ring.

In claims 3, 17, a synchronized Packet-Based Trunk method for transporting data,

comprising:

transmitting a portion of the set of asynchronous data through the communication channel

during the Frame Cycle, wherein the portion is selected responsive to the size of the Frame

Synchronization Packet, the size of the transmitted set of synchronous data, and the duration of

the Frame Cycle.

In claims 6, 20, a dynamic bandwidth sharing assigning method, comprising:

a Over-Subscription Bandwidth for each of a plurality of nodes on the communication

ring, the Over-Subscription Bandwidth being an amount of bandwidth on the communication

ring not being assigned as Subscription Bandwidth, the Over-Subscription Bandwidth being

shared by all the nodes on the communication ring,

the Access Bandwidth being the actual Maximum Over-Subscription Bandwidth at a

particular time.

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Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure with respect to apparatus and method for facilitating data packet transportation.

US Publication 2005/0058136 to Lothberg et al.

US Publication 2005/0201387 to Willis

9. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Kevin Mew whose telephone number is 571-272-3141. The

examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Supervisory patent examiner

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